

ABSTRACT OF THE DISCLOSURE

A liquid-crystal display device has a light pipe, a light source, a reflection layer, and a liquid-crystal shutter. The light pipe includes light output means formed on an upper surface of the light pipe. The light source is disposed near to an incident side surface of the light pipe so that light incident from the light source is output from a lower surface of the light pipe through the light output means. The reflection layer is disposed on the lower surface of the light pipe so that reflected light of the output light is transmitted through the upper surface of the light pipe. The liquid-crystal shutter is disposed above the upper surface of the light pipe, the liquid-crystal shutter including liquid-crystal cells and at least one polarizing plate.

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